DERWENT-ACC-NO: 1981-64303D
DERWENT-WEEK: 198136

TITLE: Radial pneumatic tyre - has cord elements with single core filament
contacted by up to five single sheath wires

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PRIORITY-DATA: 1980DE-3006488 (February 21, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3006488 A	August 27, 1981	N/A	005	N/A
DE 3006488 C	April 23, 1987	N/A	000	N/A
FR 2476548 A	August 28, 1981	N/A	000	N/A
GB 2072591 A	October 7, 1981	N/A	000	N/A
GB 2072591 B	February 27, 1985	N/A	000	N/A
JP 56131404 A	October 15, 1981	N/A	000	N/A
JP 90000201 B	January 5, 1990	N/A	000	N/A
US 4328852 A	May 11, 1982	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 3006488A	N/A	1980DE-3006488	February 21, 1980
GB 2072591A	N/A	1981GB-0005602	February 23, 1981
JP 56131404A	N/A	1981JP-0022333	February 19, 1981

INT-CL (IPC): B60C009/02; D02G003/48 ; D07B001/06

ABSTRACTED-PUB-NO: DE 3006488A
BASIC-ABSTRACT: A pneumatic tyre for vehicles, specially one with a radial carcass, has cord elements which consist of steel wires. Each element is assembled from one single wire filament as the core and a sheath of at least three single wire filaments. The latter contact the core at a radial point.

The wire diameter of the core is smaller than that of a sheath filament which has a max. diameter of 0.28 mm. The centre distance of adjacent sheath filament should be greater than their diameter.

Such a tyre has a very low rolling resistance. The cord elements combine a low weight with the highest possible compression rigidity, an absolute air tightness and a high fatigue strength without a risk of the core piercing the tyre.

ABSTRACTED-PUB-NO: DE 3006488C
EQUIVALENT-ABSTRACTS: Metal cord, espy. a brass coated steel wire for use as reinforcement in the cord belt of a pneumatic tyre, has a round core filament and several stranded filaments of equal diameter. The core filament has a dia of 0.12 - 0.22mm and the stranded filaments have a diameter of 0.28mm. The core has gentle undulations and is surrounded by three to five stranded filaments.

ADVANTAGE - Raises the endurance strength of the metal cord and combines a high compressive strength with low weight. (5pp)

GB 2072591B

A pneumatic vehicle tyre, comprising a carcase, a tread strip having a tread surface and a crown reinforcing belt between the carcase and the tread strip,

the belt being formed by at least two radially superposed cord plies, at least
one of which plies comprises metal cords, in which the width of at least one
cord ply is equal to the width of the tread surface, and in which each metal
cord consists of a core of a single wire surrounded by a jacket comprising at
least three single wires of equal diameter twisted around the core, the
diameter of the wire core being smaller than the diameter of the jacket wires
which at the most is 0.28 mm, each jacket wire contacting the wire radially,
and the distance between the centres of adjacent jacket wires being larger than
the diameter of each jacket wire.0

TITLE-TERMS:
RADIAL PNEUMATIC TYRE CORD ELEMENT SINGLE CORE FILAMENT CONTACT UP FIVE SINGLE
SHEATH WIRE

DERWENT-CLASS: A95 Q11

CPI-CODES: A12-T01B;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Key Serials: 0009 0011 0105 0231 2020 2215 2220 2623 2628 2658 2680 2826
Multipunch Codes: 011 032 04- 07- 09& 15- 231 308 309 41& 473 540 551 560 562
566 597 599 654 672 722 723